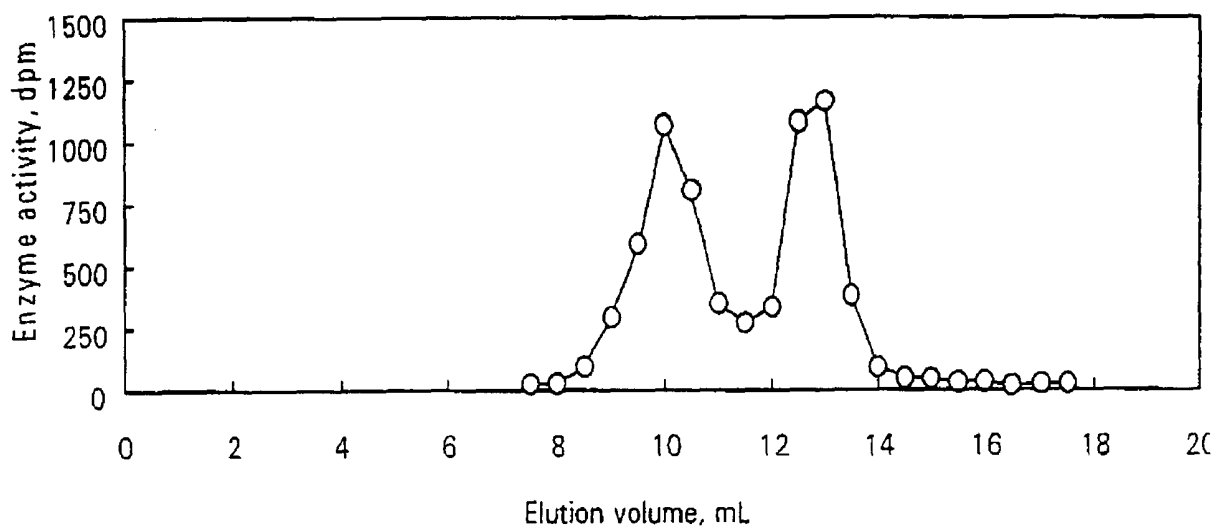


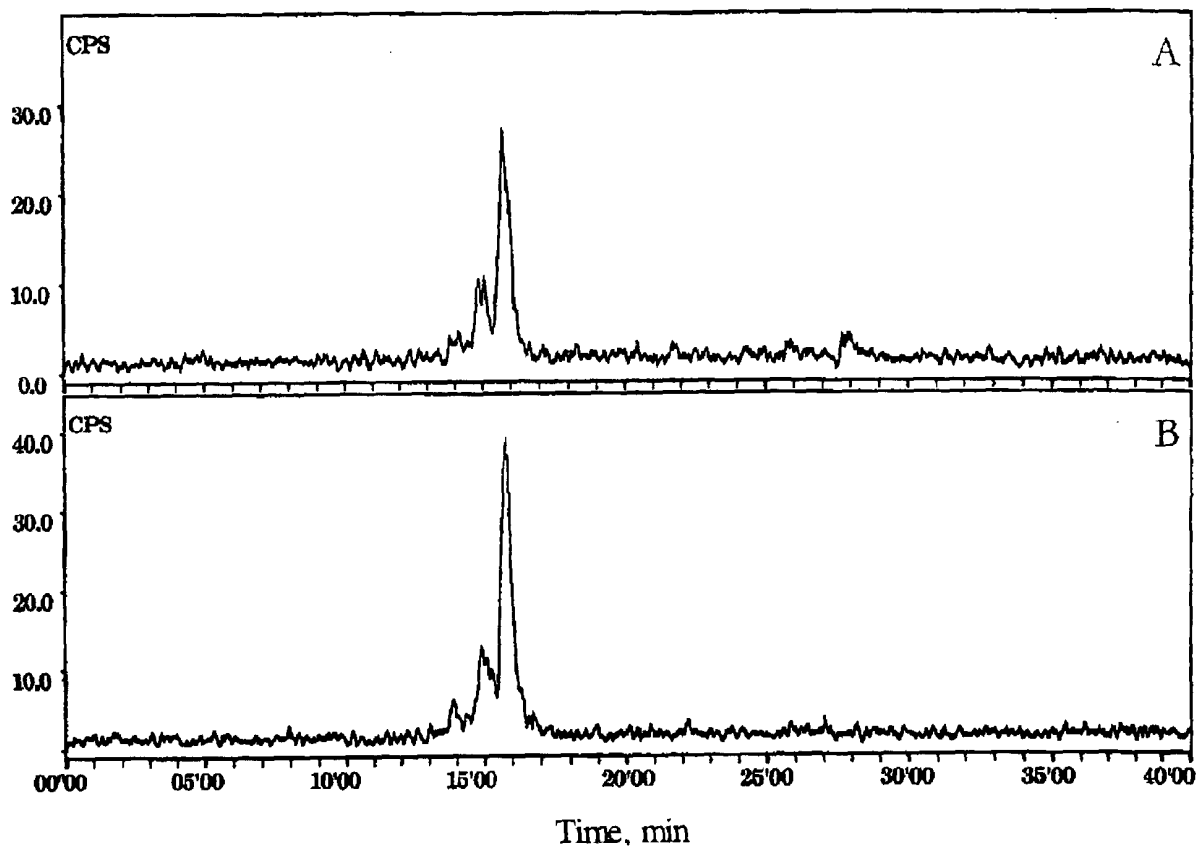
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Figure 1



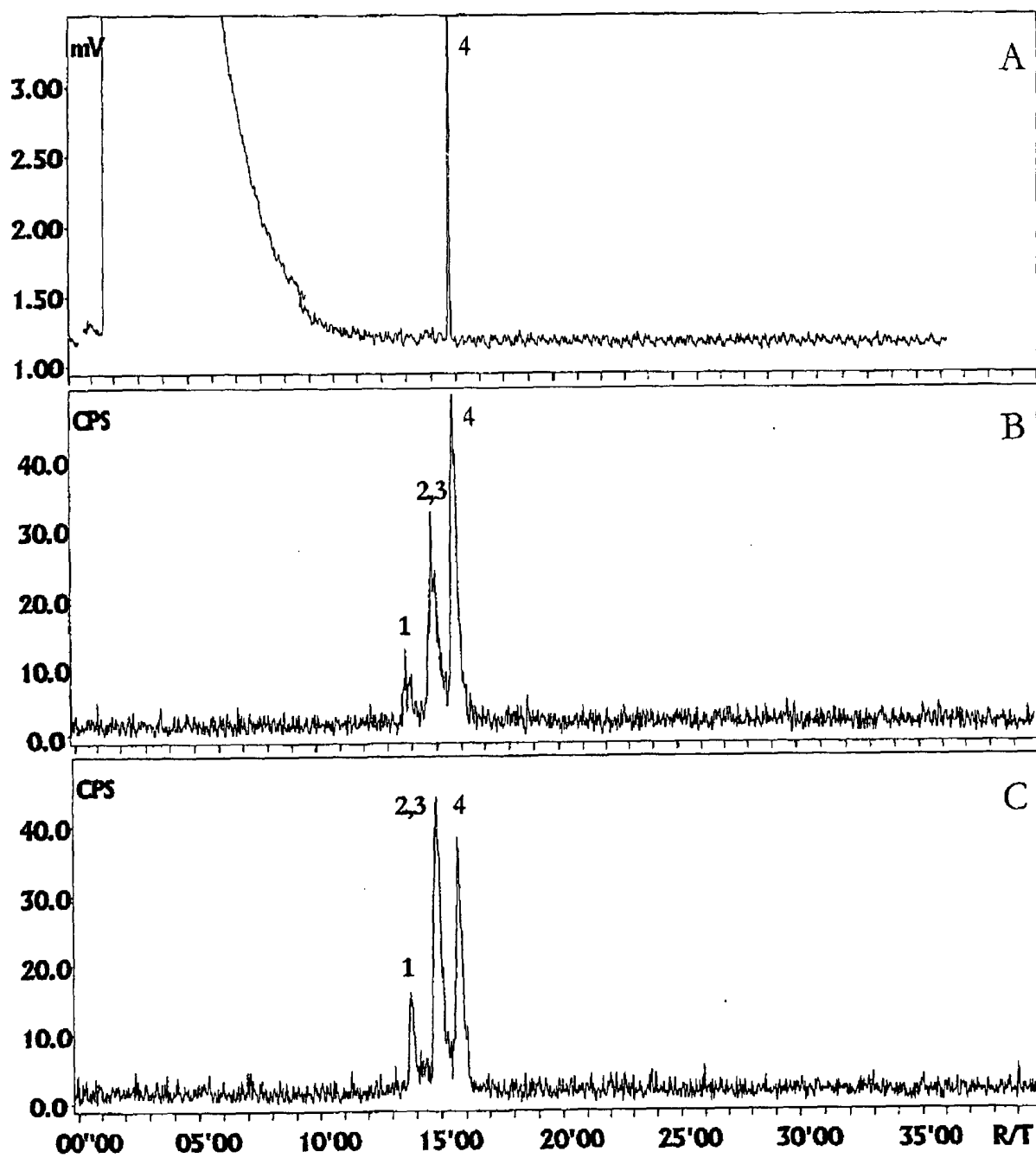
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Figure 2



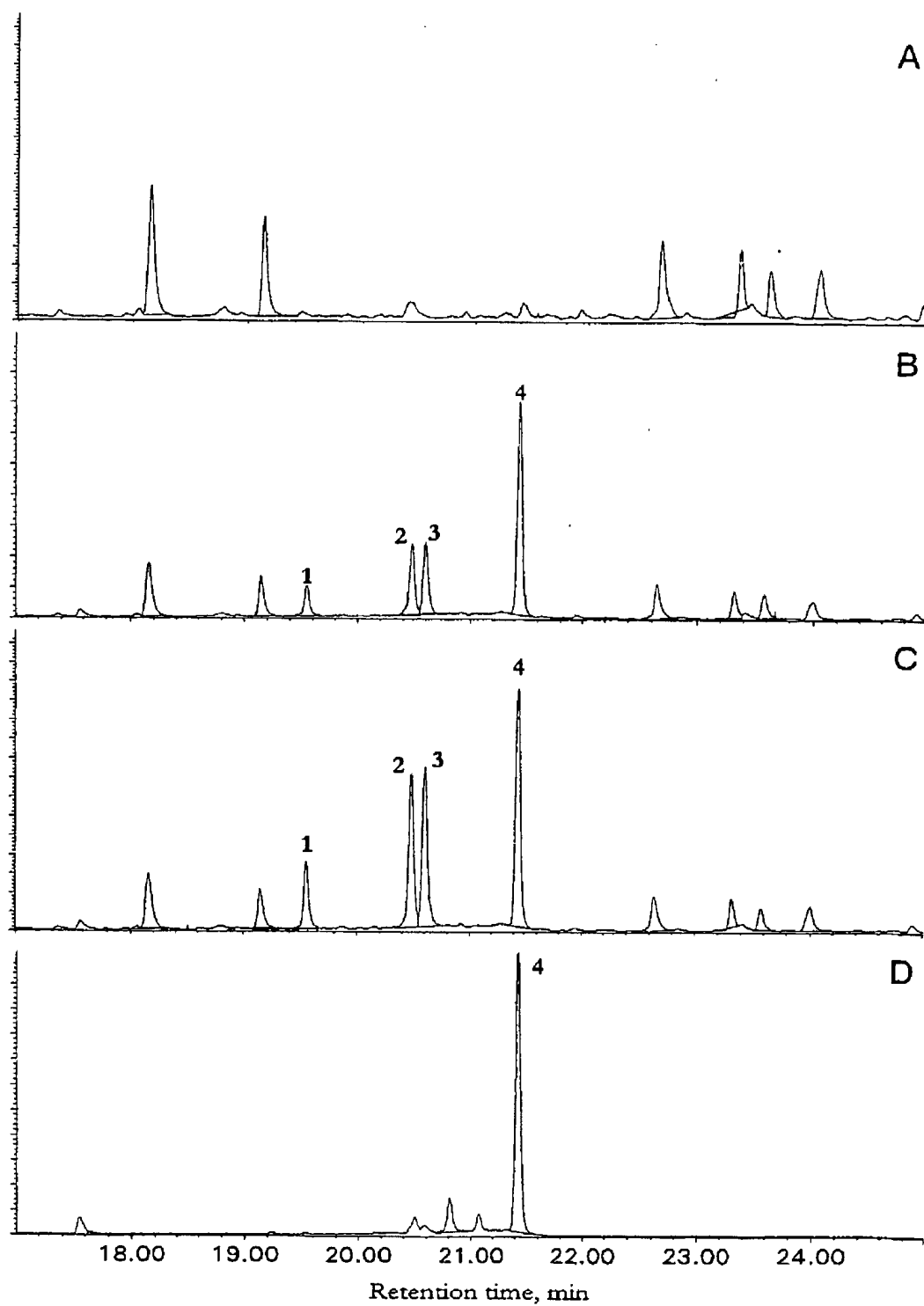
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Figure 3



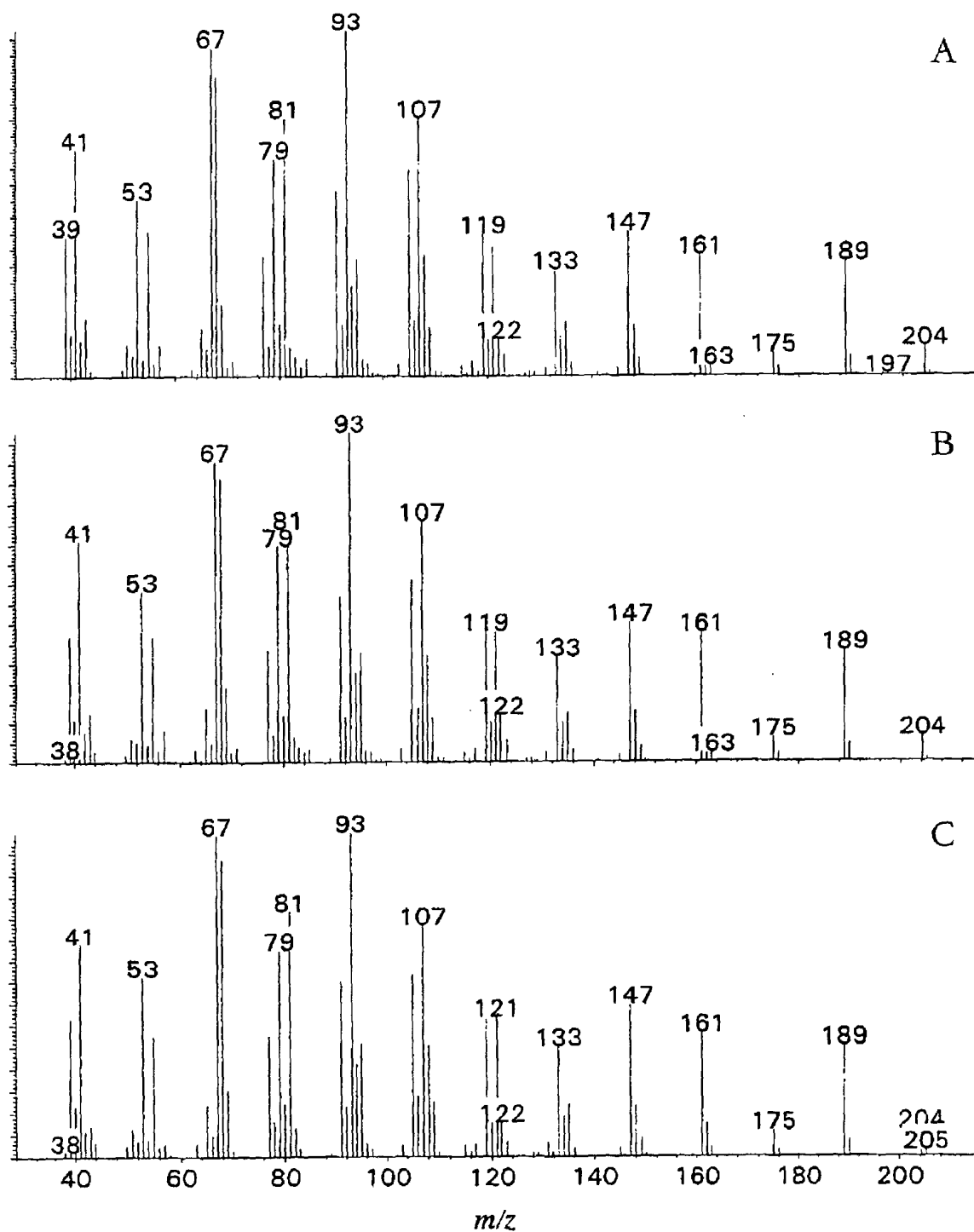
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Figure 4



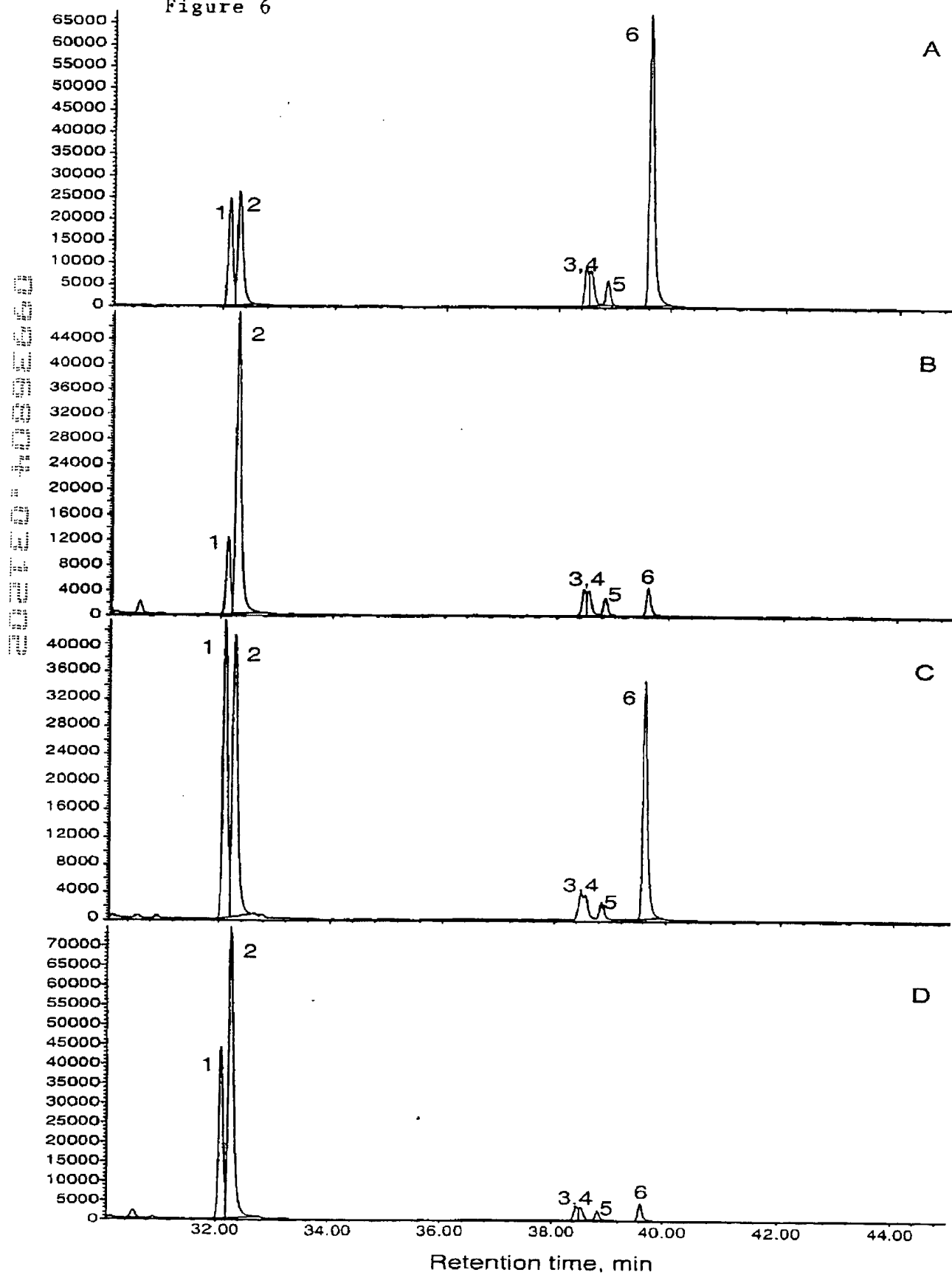
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Figure 5



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Figure 6



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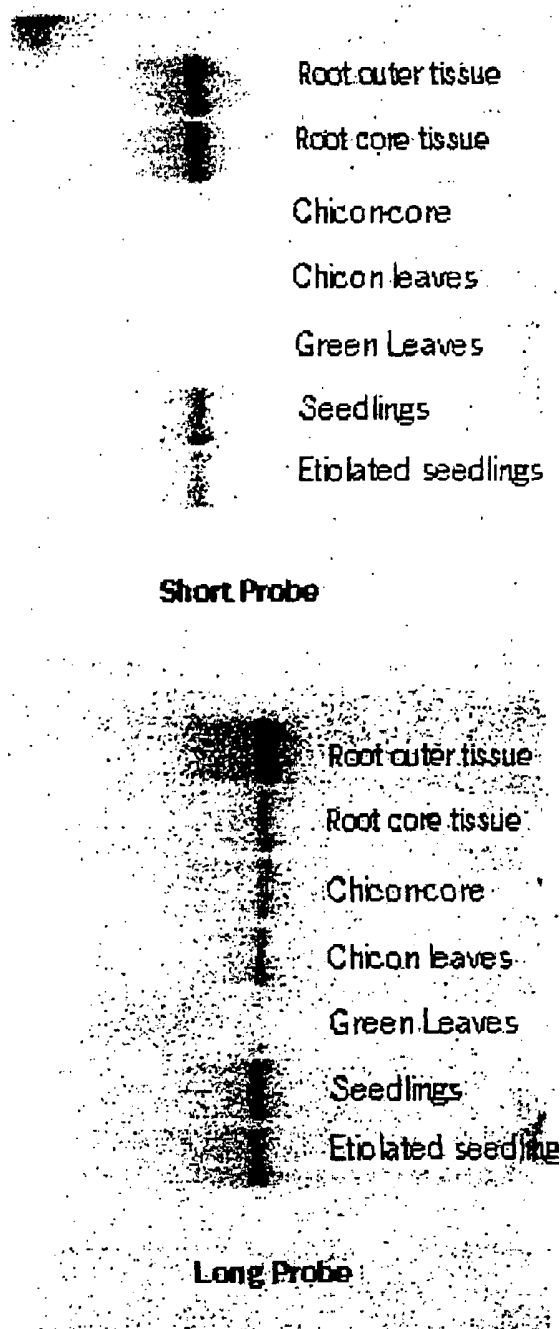


Figure 7 (a)

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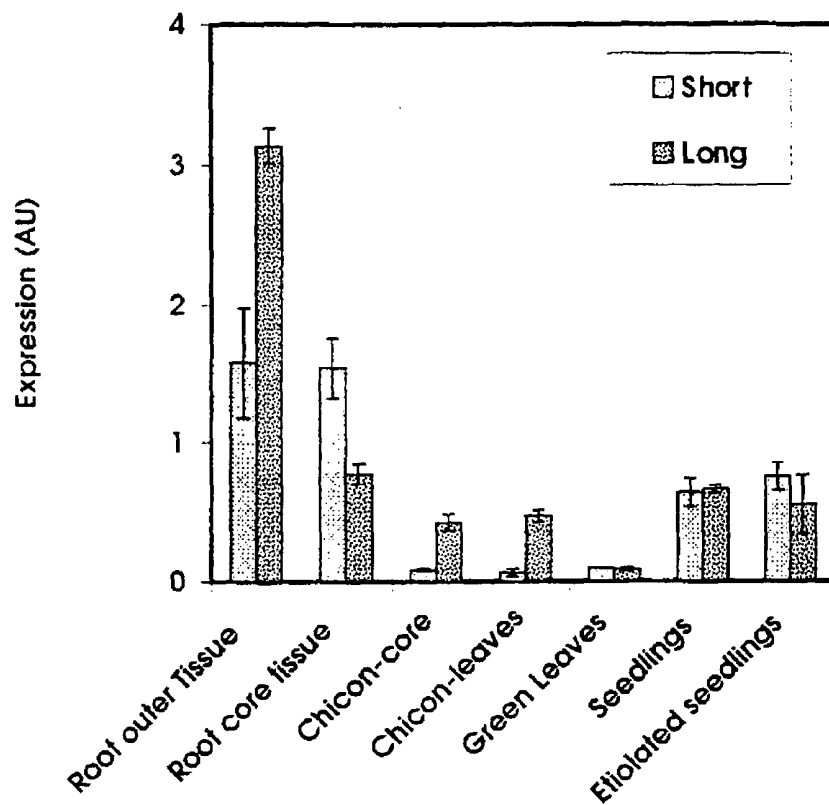


Figure 7 (b)

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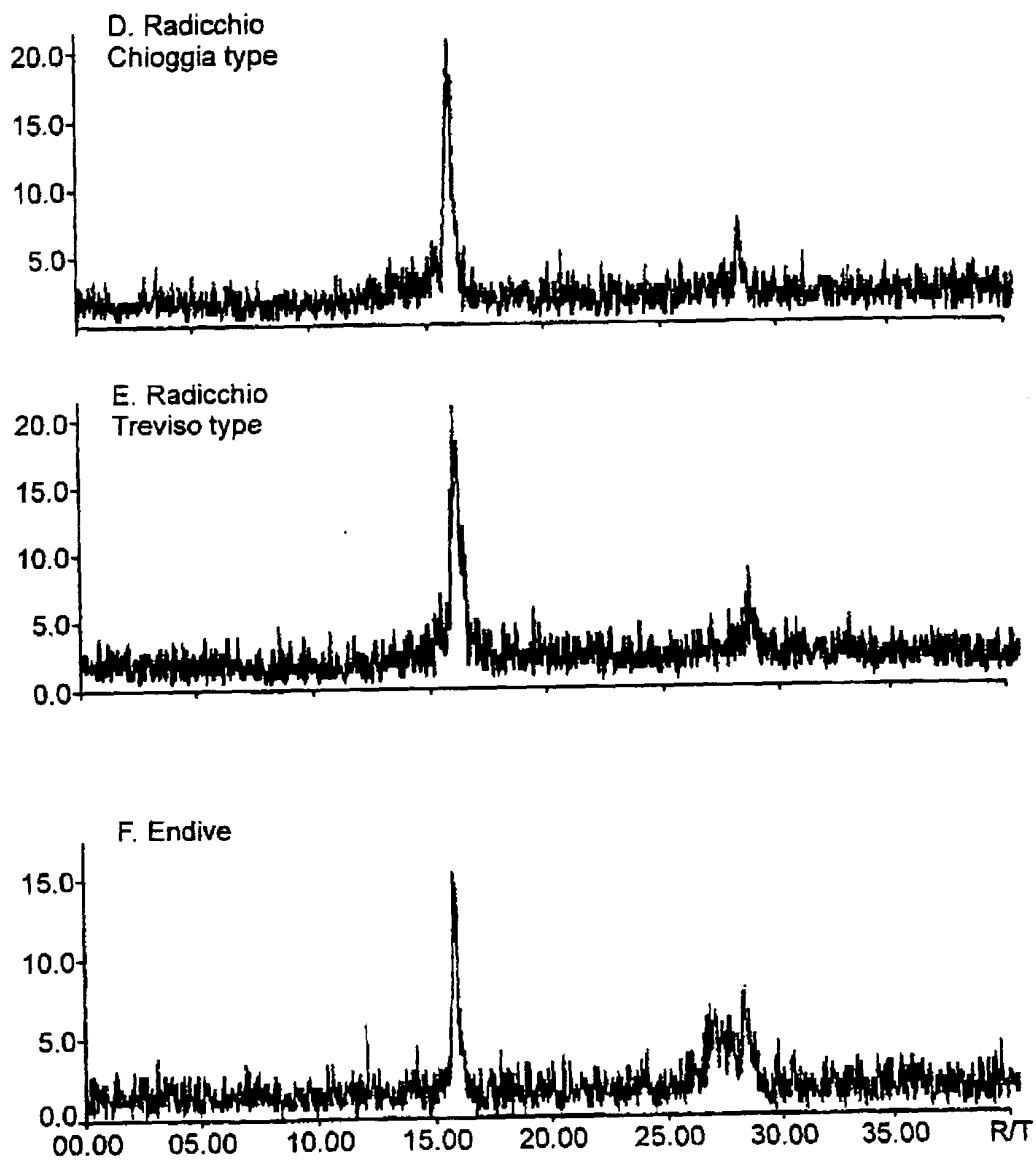


Figure 8 part 2

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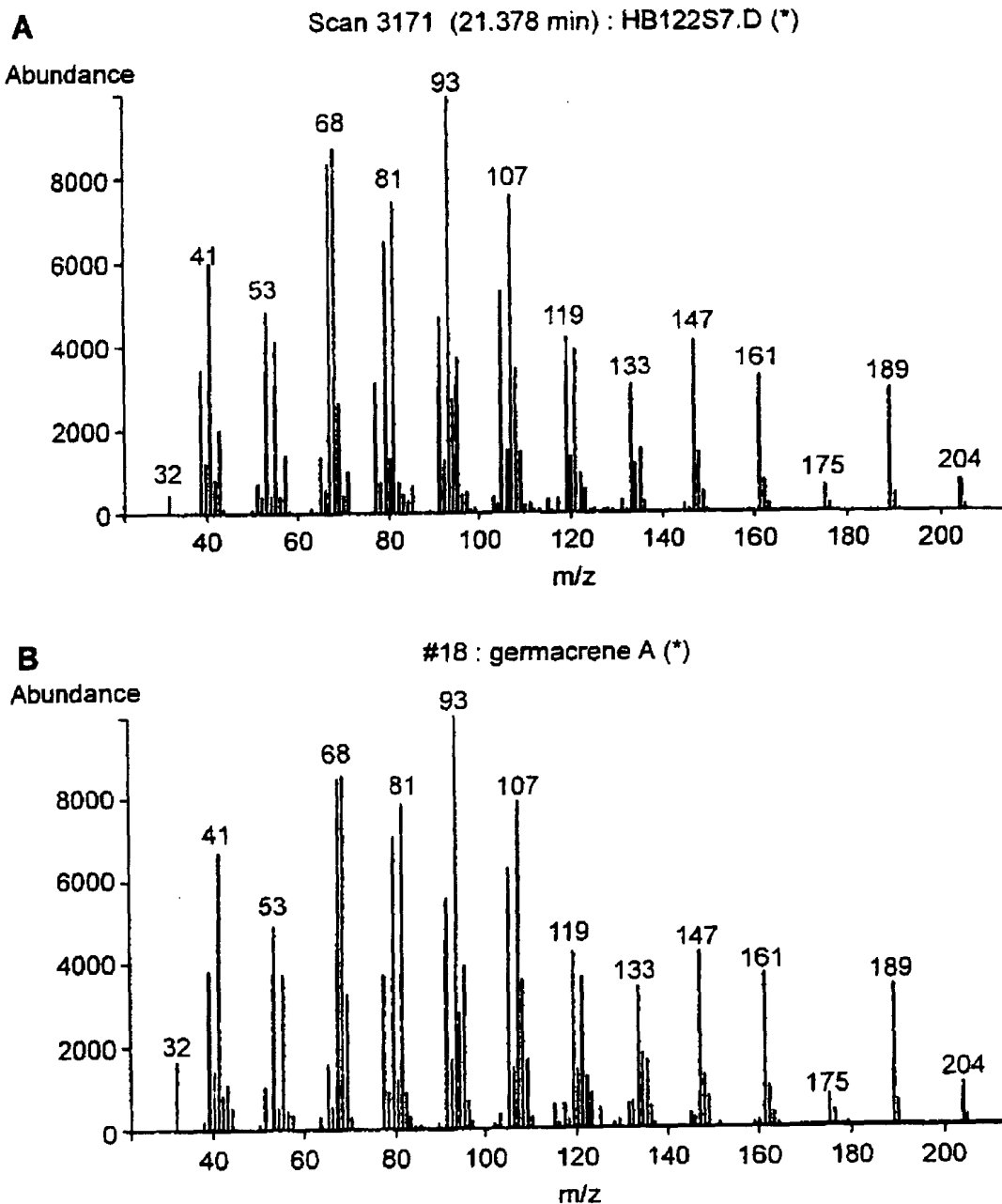
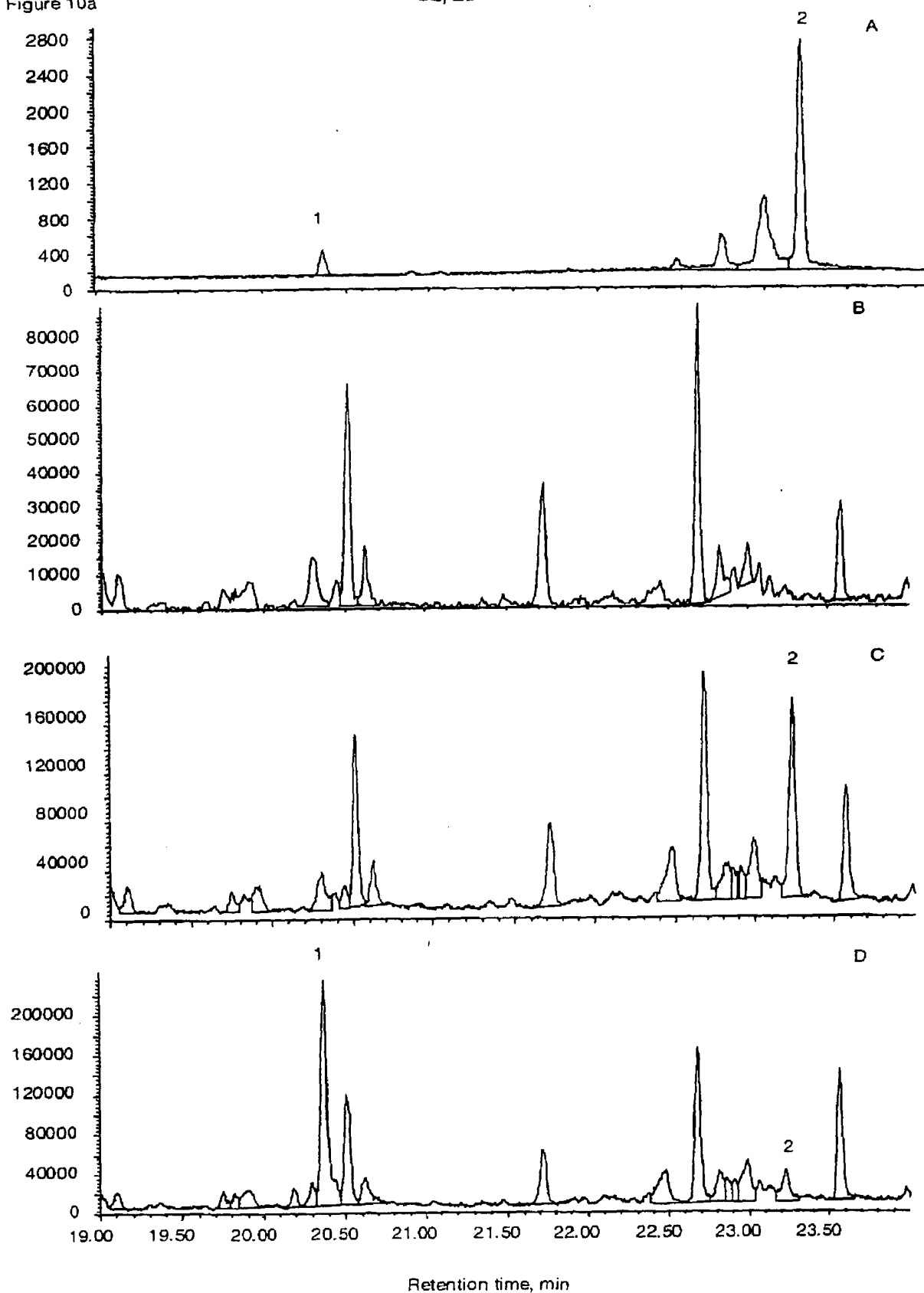


Figure 9

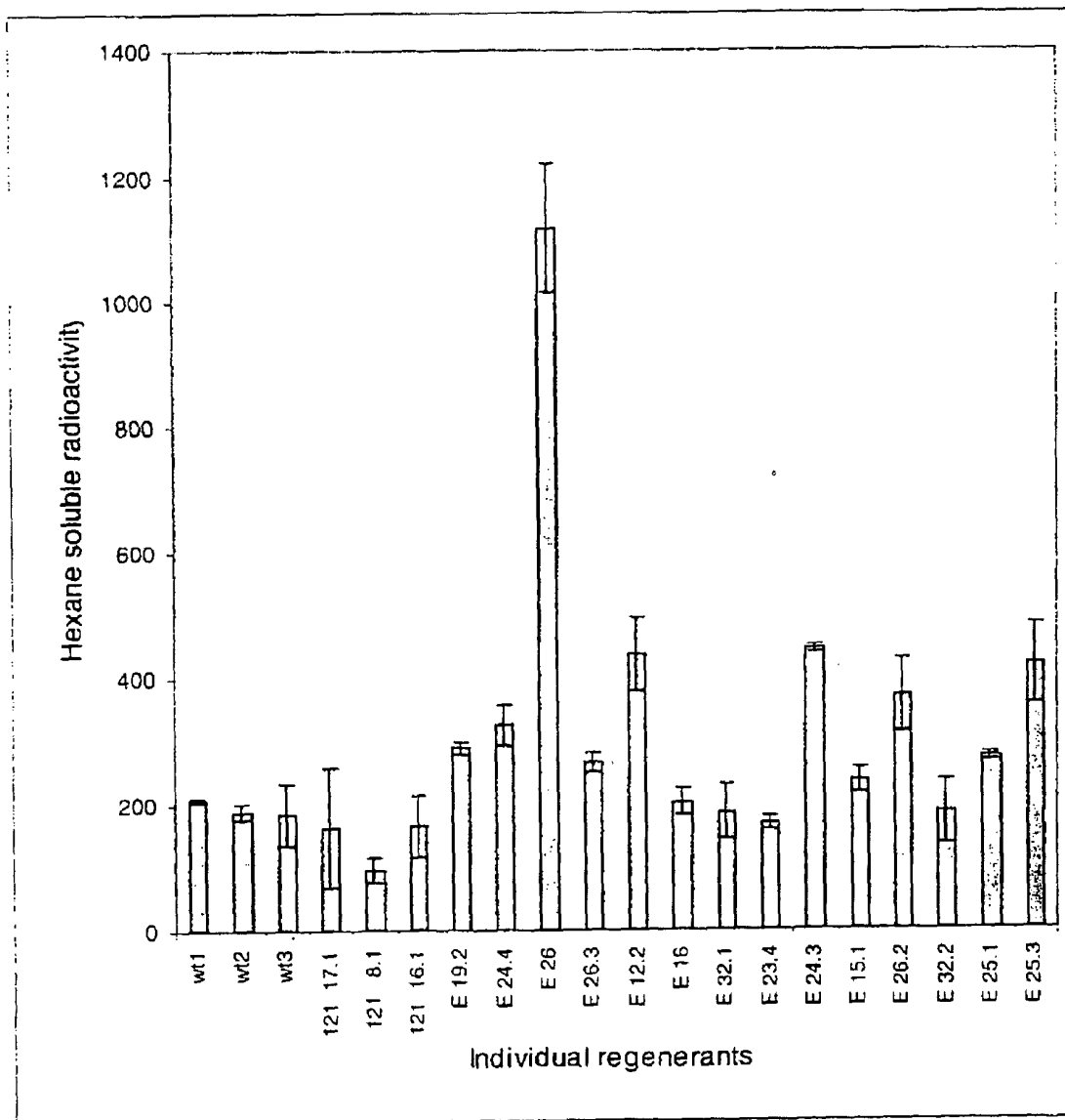
Figure 10a

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Figure 10 (b)



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Figure 10 (c)

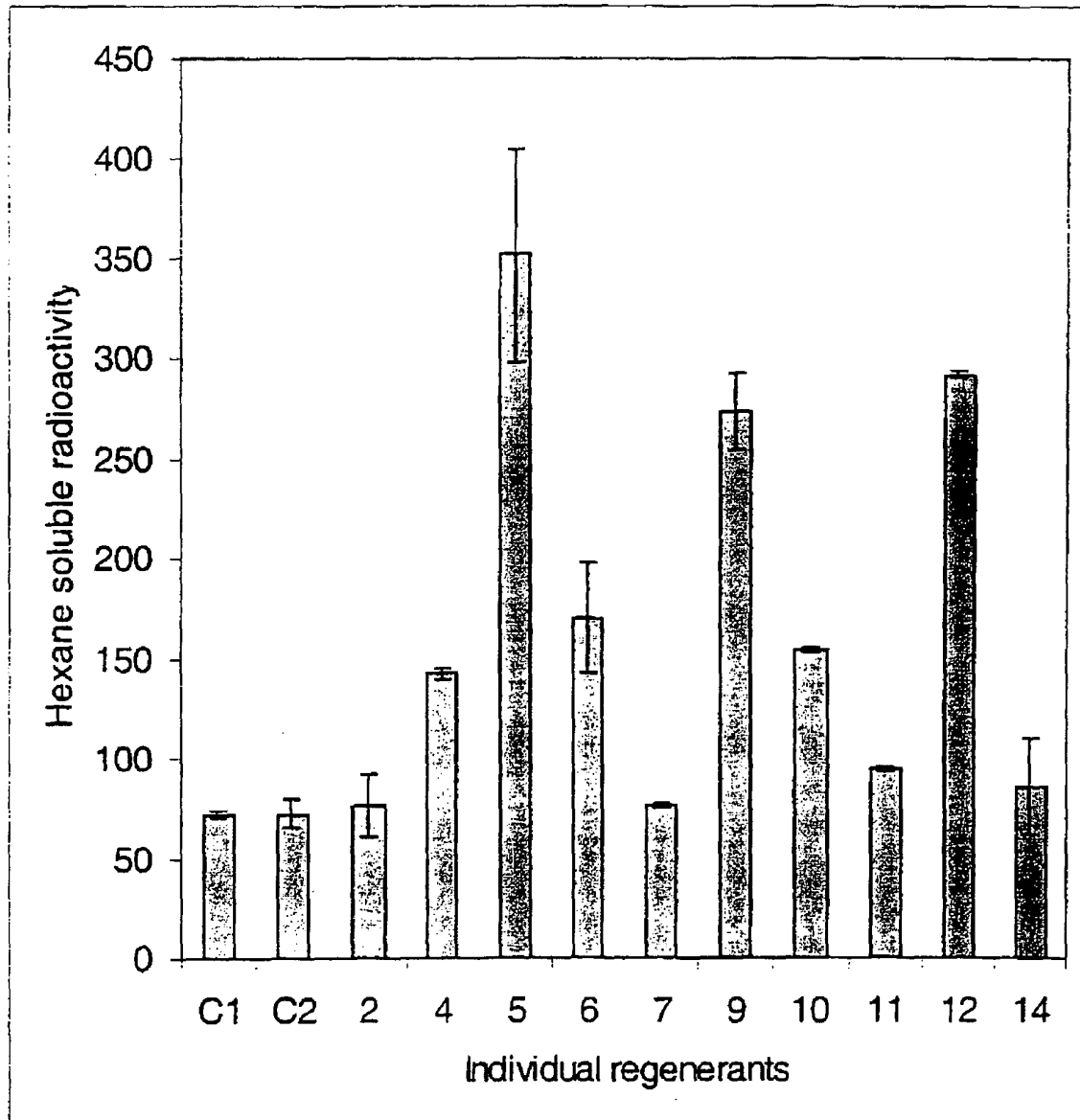
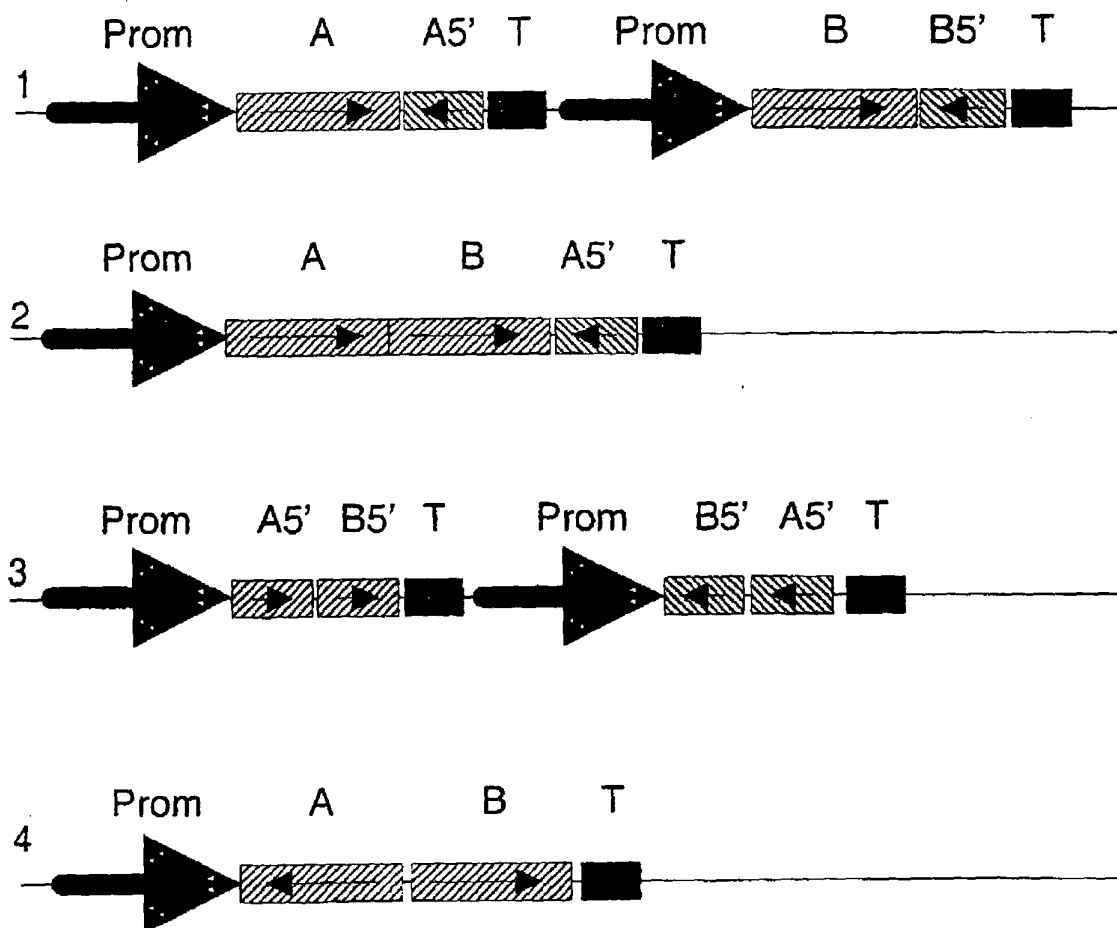
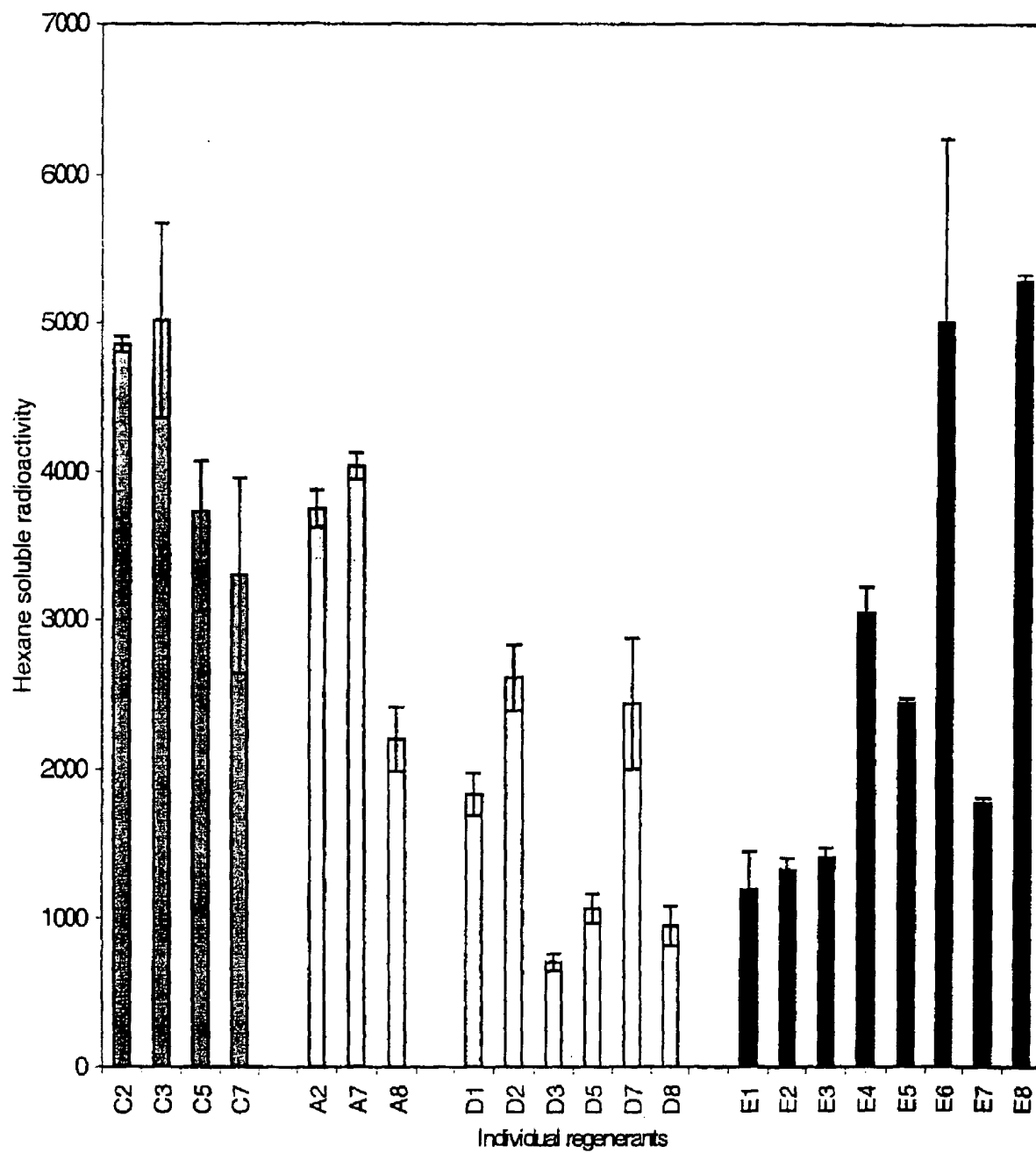


Figure 11



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Figure 12



added: 40995663

Figure 13

A	-----ATCAAACTT-AGCTATATCCTT-----TCACCTT-----CAAGA-----AAT	36
B	GTTTCATTAAAGATCATCCA-ATCCGAAAAATGGCTCTCGTTAGAAACAACAGCAGCAAT	59
	** *** * * * * *	
	** *** * * * * *	
	** *** * * * * *	
	** *** * * * * *	
A	GGCAG-----CAGTT-----GAAGCCA-ACGGTACCTTCCAAGC--AAACA-----	74
B	GGTCGGGAGCCAGTTCTCAGCCCCAGAAAGTCTCAAAAGTCCT-CGAGGCTTAACCAAGCCC	118
	** * *	

A	-----CCAAA--ACCACAGAGCCGGTGGTCTCTTTAGCCAACTTCCCCTCC	117
B	CCGACCGTTGTCTGTCTCCAAACCGACTCCAGAGCCGGTTCGACCTTTGGCCAACTTCCCACC	178

A	TTCTGTATGGGTGATCGATTCTTTGTCTCTCTCTTGACACTACGGAATTGGAAGGATA	177
B	TTCCGATCTGGGTGATCGCTTCACTCTCTCTCTCTTGATAACTCTCAATTGGAAGCTTA	238
	*** * *	

A	TGCAAAAAGCTATGGAGGAGCCAAAAGAAGAGTGAGAAAAGTATCGTAGATCCAAACAAT	237
B	TGCAAAATGCACCTTGAAGAACCCAAAAGAAGCAGTGAAGAGTTAAATAACCGACACTACCAT	298

A	GGATTCAAATAAGAAACTAAGTTTGATTATTCTGTACACCGTCTTGGTTTGACATATCT	297
B	TGATGCAAAACACAAAACCTGAAAATTGATTTATTCTAGTGCACCGTCTTGGTTTGTCTGTATCT	358
	*** *****	

A	GT-TCTTTGCAAGAGATTGAAGCGCAGCTTGACAAAACATAATTAAAGAGTTAACTTGCAG	356
B	TTATCCAG-ATGAGATTGATGCCGAACCTCAACAACTCTTCGAGAGAGATTGACTTACAGT	417
	* ** * *	

A	ATTATGATGAGTTTGATCTATACACAACTTCTATTAACTTTCAGAGTTCAGACACCTTG	416
B	ATTACGAACAAGTTGATTGTGTACACTATTGCAGTACAAATTCAGAGTTTCAGACACCATG	477

Figure 13 (continued)

[illegible]

A	ACTTTGAGCCTCGTTACTCCTTGGCACGAATCATCGCCACAAAAATTACATTGTTCTCTCG	956
B	ATTTGAGCCGTATTACTCTCGGCACGTATCATAGCCACTAAAAATCACGTTGTTCTTGG	1017
	* * * * *	*
A	TGGTCTAGATGACACATATGATGCATACGCTACCATTTGAAGAGATTTCGACTTCTGACTG	1016
B	TGGTTTGGACGATACATATGACCGGTATGCTACAATTGACGAGATCCGATCGATCACAG	1077
	*****	*****
A	ATGCCATAAACAGGTGGGACATCAGTGCTATGGAGCAAATTCGGGAATATATTCGACCAT	1076
B	ATGCGATTAAATAGGTGGGAAATTAGCGCGATCGACCAACTTCTCTGAATATATCAAAACCGT	1137
	*****	*****
A	TCTACAAAATTCTCCTAGATGAGTATGCTGAACTTGAGAAAGCAACTAGCTAAAGAAGGAA	1136
B	TCTACAGAAATTCTCCTCAACGGAATTATGATGACCTCGAGAAAGAAATACTCAAAGGACGGAA	1197
	*****	*****
A	GAGCAAAAAGTGTTATTGCTTCAAAAGAACGGTTCAGGACATTGCAAGAGGATACCTTG	1196
B	GAGCGTTCAGTGTCACGCTTCAAAACAAAGCGTTTCAAGAAATCGCGAGAGGGTATCTTG	1257
	*****	*****
A	AAGAGGCCGAGTGGACAAACACAGTGGATACGTGGCATCATTTCCAGAGTATATGAAGAACG	1256
B	AAGAGCGGAGTGGTTACACAAACGGTTATGTGGCAACATTTCCCGAGTATATGAAGAATG	1317
	*****	*****
A	GTTTAATTACTTCTGCTTACAATGTATTTCAAAATCTGCTTTAGTGGGTATGGGCGAGA	1316
B	GTTTGTATTACTTCGGCTTATAATGTTCATTTCAAAATCCGCATTTGTTGGGAATGGGTCCGA	1377
	*****	*****
A	TGGTTGGTGAAGATGCCCTTGGCTTGGTATGAAAAGTCAATCCAAAACATTCGAAGCTTCAG	1376
B	TTGCAGATGAAGAGGCTCTTGTGTTGGTATGAAAACACATCCGAAAATTTTGAAAGCTTCAG	1437
	* * *	*****

Figure 13 (continued)

A	AGTTAATTCAAGACTCCAAGATGATGTGATGACTTACCAGTTTGAGCGAGAAAGGGAC	1436
B	AGTTGATTTC AAGGCTCCAAGACGATGTTATGACTTTCAGTTTGAGAGAAAACGAGGAC	1497

A	AATCAGCCACCGCGTTGATTCCTTATATCAAGACCTATGGCGTAACAGAAAAGGAAGCGA	1496
B	AATCAGCAACTGGTGTGGATGCTTATATCAAGGAATACAATGTATCCGAAGAAGTAGCGA	1557

A	TTGACGAGCTAAACAAATGATTGAAATGCATGGAAAGGATATAAATGAGGGCTGCCCTTA	1556
B	TCAAAAGAGCTCATGAAGATGATTGAAAACGCATGGAAAAGATATAAATGAGGGATGCTTGA	1617

A	AGCCAAGAGAAGTC TCAATGGATTTGCTTGCCCAATCTTAATCTTGCACGAATGATAG	1616
B	AGCCCACACTGAGGCTCGGTGGCTCTACTAACTCCTATTTTGAATCTCGCGAGAATGATAG	1677

A	ATGTGGTATACAGGTACGACGATGGGTTCACTTTTCCGGGAAAGACCATGAAAAGAGTATA	1676
B	ATGTCGTATACAAAATTGCGATGATGGATTCACTTTCACCTTTCCTGGGAAACCCCTAAAAGACTATA	1737

A	TTACTCTGTTGTTGTTGTTGTTCTTCACCCA-----TGTAATA---	1713
B	TTACCCCTTTTGTTCGTTAGTCCCTCCACCGAGTCTCGAAAACTGATAGGTTGTAATATAAG	1797

A	---ATA-----ATTTT--TATTTTCAT-----ATGTTT-----	1735
B	CATCATATTTTCTCGGAATTTTTCGCTTTTTCATGTTGCGTATGTTTGGGACTTTCGCTCAA	1857

A	TTTGGTGAGATTCTTTTGGACATTCTATTGTATATAATCTCTCTTTTGTTCAAAATAAAAAGTT	1917

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Figure 13 (continued)

A -----AAAAAAAAAAAAAAAAAA-- 1755
B TCTTCTTATGGACTAAAAAAAAAAAAAAAAA 1953

Figure 14

```

A MALVRNNSNGREPVLSPRSLTSPRGLTSPRPLSVQPTPEPVRPLANFPFPIWADRFISF 60
B MAAVEAN-----GTFQAN---TKTTEPVRPLANFPFSPVWGDRFLSF 38
  ** * * *
  * . . .
  * . . .

A SLDNSQLEAYANALEEPKEAVKSLITDITIDANTKKLIYSVHRLGLSYLPDEIDAELN 120
B SLDTTELEGYAKAMEEPKEVRKLIIVDPTMDSNKKLSLIYSVHRLGLTYLFLQEIQAOLD 98
  ***:***:***:***:***:***:***:***:***:***:***:***:***:***:***:***:
  ***:***:***:***:***:***:***:***:***:***:***:***:***:***:***:

A KLFKIDLQYEQVDLYTIAVQFQVFRHHGYKISSDVFKKFKDSTTGFTDDVTKDVKGM 180
B KLFKEFNLDYDEFDLYTTSINFQVFRHLGHKLPCDVFNKFKDSSSGTFKESITNDVKGM 158
  ***:***:***:***:***:***:***:***:***:***:***:***:***:***:***:
  ***:***:***:***:***:***:***:***:***:***:***:***:***:***:***:

A LSLYESAHLRLHGEDIIDEALAFTEAHLKKILTLEGLARQVNVQLKRPFHTGMPMVEA 240
B LGLYESAQLRLRGEPILDEASAFTEQOLKSVVNTLEGNLAKQVMQSLRRPFHQGMPMVEA 218
  * . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  * . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .

A RLYFTTHEEDFSSHESVVKLAKVHFNLYLQLOQKEELRLVSQWKKDMQFQQSVPIYRDRVP 300
B RMYFSNYDEECSTHESLPKLAKLHFNLYLQLOQKEELRIVSKWKKDMRFQETTPYIRDRVP 278
  * . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .
  * . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .

A EIYLVILGLYFEPYYSRARIATKITLFLVVLDDTYDAYATIDEIRSITDAINRWEISAI 360
B EIYLVILGLYFEPYYSRARIATKITLFLVVLDDTYDAYATIEEIRLLTDAINRWDISAM 338
  *****
  *****

A DQPEYIKPFYRILLNEYDDLEKEYSKDGRAFSVHASKQAFQEIARGYLEEAEWLHNGYV 420
B EQIPEYIRPFYKILLDEYAELEKQLAKEGRAKSVIASKEAFQDIARGYLEEAEWTNSGYV 398
  **:****:****:****:****:****:****:****:****:****:****:****:
  **:****:****:****:****:****:****:****:****:****:****:****:

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Figure 14 (continued)

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A  ATFP EYMKNG LITSA YNVISKSALVGMGAIAD EEA LAWYETHPKILKASELISRLQDDVM 480
B  ASFP EYMKNG LITSA YNVISKSALVGMGEMVGEDALAWYESH PKTLQASELISRLQDDVM 458
   *;***** :...*;*****;*** *;*****
A  TFQFERKRGQSATGV DAYIKEYNVSEEVAIKELMKMIENAWKDINEGCLKPTEVSVALLT 540
B  TYQFERERGCQSATGVDSYIKTYGVTEKEAIDELNKM IENAWKDINEGCLKPREVSM DLLA 518
   *;*****;*** *;*:*** ** *****;***; **;
A  PILNLARMIDVVYKFDDGFTFP GKTLKDYITLLFVSPPPSLEN 583
B  PILNLARMIDVVYRYDDGFTFP GKTMKEYITLLFVGSSPM --- 558
   *****;*****;*:*****...*

```